

Figure 1

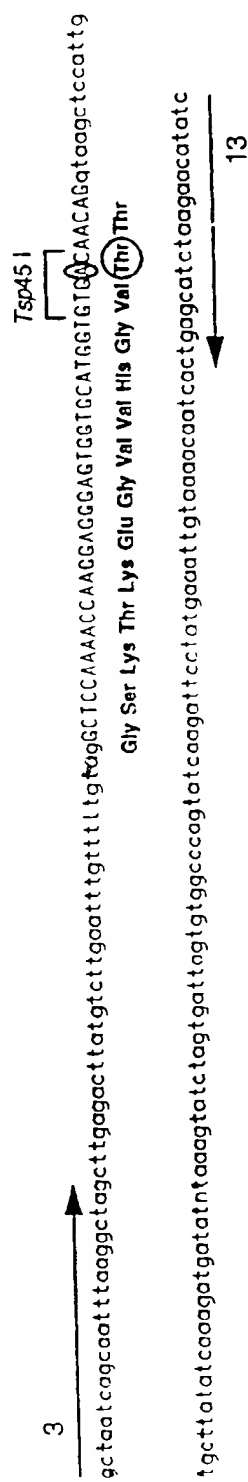


Figure 2

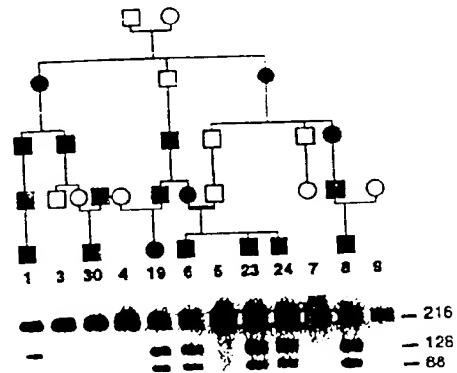
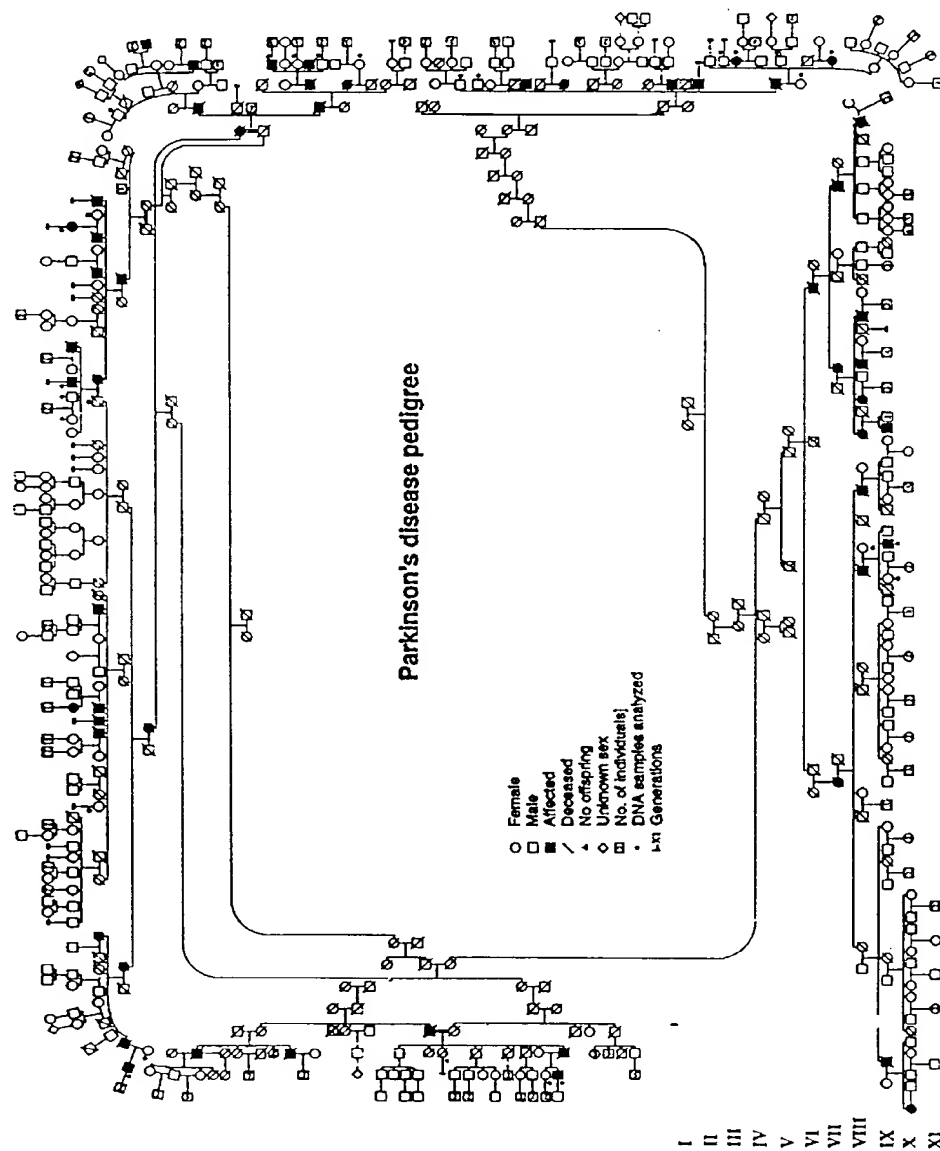


Figure 3



Figure 5



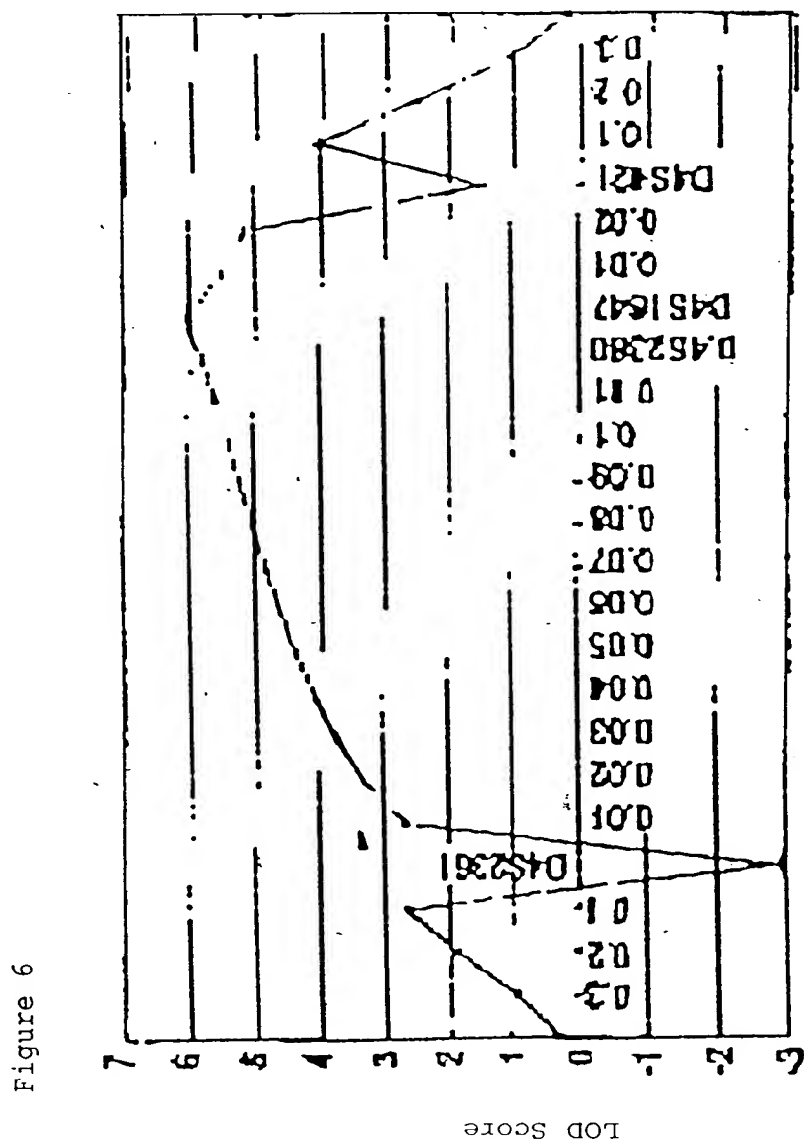


Figure 7

clone	5'	3'	gene
109979	T84229	T88834	alpha
111088	T83410		alpha
111090	T83411	T81593	alpha
130048	R11819	(R19409)	alpha
135534	R31354	R32856	alpha
141248	R66863	R67383	alpha
145594	R78091	R77748	alpha
171806	H19290	H19291	beta
172284	H19556	H19474	beta
172749		H19685	beta
175546		H41126	beta
193174	H47503	H47504	alpha
210768	H66914	H66869	alpha
213616	H70324	H70325	alpha
236027	H62070		alpha
248153	N53829	N73325	alpha
24991	(T80528)	R39000	alpha
26298	R13508	(R20629)	alpha
265817	N28661	N21457	alpha
266628		N22757	alpha
27342		R37173	alpha
280344	(N50305)	N47094	alpha
290894		N72005	alpha
294142		N68597	alpha
307787	W21278		alpha
340635	W56712	W56757	alpha
340683	W55988	W56276	alpha
346647	W84390	W74638	alpha
346796	W79585	W79784	alpha
359349	AA010546	AA010547	alpha
364632	AA022809	AA022690	alpha
39915		R50455	beta
40764	R56327	R58245	alpha
45086	H08908	H08824	alpha
46607	H10267	H10213	alpha
49811	H29080	H28976	alpha
50202		H17962	beta
50470		H16811	beta
66473	R16018	R16119	alpha
667794	AA258686	AA258608	alpha
69907	T48654	T48655	alpha
72391	AA394097	AA293803	gamma
739009	AA421586		beta
739014	(AA42185)	AA421567	beta
771303		AA443638	gamma
2-4		L36675	alpha
2-5		L36674	alpha
c-01f06		F01363	alpha
c-1rb08	F03254	F06981	alpha
c-2td12	F08836	F11169	alpha
c-28f08	F03751	F07521	alpha
cDNA	S69965		beta
EST01420 (HRBAA27)	M79265		gamma
EST19193	AA317129		beta
EST22040	AA319774		alpha

Figure 7 cont.

EST26845	T28079		beta
EST31489	AA328063		alpha
EST68G11	W22518		gamma
F1-625D	R29481		alpha
GEN-129D09	D81090		beta
hbc590	T11070		alpha
HIBBA65	T08213	T08212	alpha
	HR70E3R	HR70E3F	alpha
HSNACP0		U46896-46901	alpha
KK1311	N83633		alpha
		D318839	alpha
		L08850	alpha
	T28735		alpha
	Z20502		alpha

Figure 8

10 20 30 40 50 60 70
CCGCCGACGCCGCGCTCCATCCCCAGCCCCGGCCCGCATCCGGTTTGGGAAGGGGGCTGCAAGTTTGCA 70
AGGGGCCCGGGAXAAAAAXCGAGCAGTGGCCCTTCCCCGCTCCCCAGGGTTTCAAGGGACGCTAGGAXTX 140
TCCGCGGCCCTGGAGGTTGCGACTGGGGAGTGGGGTGAGATGGGGGAAAGCGGGAGGGGGCTCAGGGTC 210
CAGAAGGGGXCXCGCGGTCTCGGGAGTAGGGGGGCATXTCGCTCCCGCGGGAGGGGCTGGGGTGAGAGTGC 280
GGGGCCAGTGACCCGGTGCCCGTGTATCGCCCTCCCCAGGCCGCCAGGATGGACGTGTTTCATGAAGGGCC 350
360 370 380 390 400 410 420
TGTCATGGCCAAGGAGGGCGTTGTGGCAGCCGCGGAGAAAACCAAGCAGGGGGTACCCAGGGCGGGGA 420
GAAGACCAAGGAGGGCGTCTCTACGTGCGGTGGGCGXGGGGCGXGGGTTTCTGGGGCTGCAGGGCTGGGGG 490
TCCCTTACAGTGTGGAGCTGGGGCCGGGTCCCGGGAGGGGGTTCTGGGCAAGATAATATXAXTCAGC 560
AGATGGGGCXAGGTCAXCAXGGGTCTAAGGGACATACCCAXCCCATAGAAXCCTGGGTCTGTATCCGGA 630
AATGGGACACGGGGCGGGTGTATGAGGTGGGGGGCTCCAXCTGAAAGGCCAGGGACCAATGCAXTXATA 700
710 720 730 740 750 760 770
AAAXCACACAXCCTCTTTTTCTIATCTTTTTTACCATTATTAATAGTTATCTGGTGTGAACACTTTCT 770
GTATGCCAAGTACTGGGTAAAAATGTCATAACATCCATTTCTCATGTAATGCTTCCGCCATTCTACAGG 840
TAAGGGAAACTGGGCTTCCCATTTGGTAGXTAAATTTTAGGTTTACAGAAAGGCTTGAATTGAATGTCAGTTC 910
AGCCAATTTCTTAGTGGTGAACCAAAGTGAAGTCCATCCGTGAAACGGGGACAATAACAGCACCCGCTT 980
CCCAGGGCTGGGGAAAAGTGAAGTGCAGCGGGGAGGCAGAGGACTTGACACAGCACTGGCCCTCAGCCA 1050
1060 1070 1080 1090 1100 1110 1120
ACATCCACTAGAGGGGTGGGGTATCGCATCAGGTGGGAGAGAACTGCAACCTTGCAGACAGAGGTGTGG 1120
GGCCAGTGCAGTGATAAGACGGGGTTAAACATGGGGGTGCAGGTTGTAGGATXGAGGACCAAGGAG 1190
CAGTGACGGGGCCAGGATGCCACTCTGTAATCACCATGCTGTGCTGGAGTTTCTGTTCCCTCAGCGCAG 1260
AGTCTTAAATGTCCGCTTTTCTXCCCGCAGGAAGCAAGCCCGAGAAGGTGTGGTACAAGGTGTGG 1330
CITCAGTACTAGCCAGCCCTGGCACCAGCCCTTCTCTCMTAGCGGATGATCTGGCCGGGAACCA 1400
1410 1420 1430 1440 1450 1460 1470
AGGGCGGGGGCGGGGGAGACTCCAAGGCTTCTGCGGGAATGCTCCGTGGGGAGGGCAGGCCCTGGGATA 1470
CTACAAGGCAGGGCATCGGTGTTTCCCTTGGCTCCCAACCCCTTCTCAACCCCTCCCTGCTCCAGT 1540
GGCTGAAAAACCAAGGAACAGGCCTCACATCTGGGAGGAGCTGTGTTCTTGGGGCAGGGAACATCGCA 1610
GCAGCCACAGGACTGGTGAAGAGGGAGGAATTCCTACTGATCTGAAGGTAAAGCATCTTCTGACCCG 1680
ACATGCAGGCAAAAC 1750
1760 1770 1780 1790 1800 1810 1820
CCCCCTAATCTGCCACCAGCTTGGAAACACAAGCCACTTTGCTTCCCATCTGCXGGCCCGTGCTAGAC 1820
TCAGCTCAGAATGCATCTGAATAAXGGCGTGCATGGGTGTGACGCTCCCGGTGATGGGGACCCAGACCTG 1890
GCTGTCTGCGTGTATCCTGCTTGCAGCGTGACCCATATGACTTCTGGCCACGCTGTCATGTGTCAATGA 1960
TTGTTCAATTCATTTCTTTTCAACAAATATCCATGCCAXAXCCAGCCCTGTCTTGAGCTTCCAGXT 2030
CCCTTTCAGCCXAGGGGAGCXTGAGGGTTATTTTGGGGTCCCGATGCCAGCACAGAGCCTGACACAA 2100
2110 2120 2130 2140 2150 2160 2170
GGATGAGGCATAAGCTGGTGAXTGAGTATCCAAATGGTGAAGTGTGGAGGXTGCCAGGCATTGGGGGAG 2170
CGGCGTGGAGAGCCAGCTCCCCAATCCATGCTGCCACTTCAACTGTGATTCCGGGGGAATTTCCCTTCA 2240
CCTCCATCCCACTTCCAAGGCACTCCAAATAAATAACTGAATTAGAAATTATCCTTGTGTTTCCCAACCA 2310
CCCTAGCCTTCCCACTCCCAACCCACCCAAAGCTTACCCTGTGGGAATTTGGGGGGCATCCTGGCTGTC 2380
CTCACGAGTCTGACCTTTTCTGCCACAGCCAGAGGAAGTGGCCAGGAAGCTGCTGAAGAACCCTGA 2450
2460 2470 2480 2490 2500 2510 2520
TTGAGCCCTTGATGGAGCCAGAAGGGGAGAGTTATGAGGACCCACCCAGGAGGAATATCAGGAGTATGA 2520
GCCAGAGGCGTAGGGGGCCAGGAGAGCCCCACAGCAGCAATCTGTCCCTGTCCCTGCCCGCCCC 2590
CCAGAGCCAGGGCTGTCTTAGACTCCTTCTCCCAATCAGGAGATCTTCTTCCGCTCTGAGGCAACCC 2660
CCTCGGAGCCTGTGTTAGTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGT 2730
CAGGGCCAGGGTTGGCGTGGCGGCTGGGAGCCTCGCCCTCCAGTGTGCTTCTCCATCCAGCGTCTG 2800
2810 2820 2830 2840 2850 2860 2870
CGCG 2804

Figure 9

10 20 30 40
 AGGGAGATCCAGCTCCGTCCTGCCTGCAGCAGCACAAACC 40
 TGCACACCCACCATGGATGTCTTCAAGAAGGGCTTCTCCA 80
 TCGCCAAGGAGGGXGTGGTGGGTGCGGTGGAAAAGACCAA 120
 GCAGGGGGTGACGGAAGCAGCTGAGAAGACCAAGGAGGGG 160
 GTCATGTATGTGGGATTACATTTTTTTTTTAAAGAAAGAA 200
 210 220 230 240
 TAAATTAATTGTGATTAAAGTTG 223

Figure 10

10 20 30 40
 TTTTTXAGGGGGGAAAACAGGGAATAXAAAAAXAXGGGG 40
 GGGGGTTTTTXXGGGGGGGGGGGAAAAXGGTTXGGGGGX 80
 XAACCXAAAXAAAXCCXAXGGGGGGGGXXAXTXAAXTTT 120
 TGGGAACCCAAAGCCCXAGGAGGATTTTTXGTXAAXAACG 160
 TXACCTCXAGTGGGXCGAGGAAGACCAAGGAAAXGCCCAA 200
 210 220 230 240
 CXCGGTTGAXCGAGGCTGTGGTGAACAXCGTXCAACXCTG 240
 TGCCCXCCAAXAXCGTGGAGGXGGCGGAGAACATCSCGT 280
 CACCTCCGGGGTGGTGC GCMAGGAGGACTTGAGGCCATCT 320
 KCCCCCMACAGGAGGGTGTGGCATCCMAAGARAAAGAGG 360
 AAGTGGCAGAGGAGGCCAGAGTGGGGGARACTAGAGGGC 400
 410 420 430 440
 TACAGGCCAGCGTGATGACCTGAAGAGCGCTCCTCTGCC 440
 TTGGACACCATCCCCTCCTAGCACAAGGAGTGCCCGCCTT 480
 GAGTGACATGCGGCTGCCACGCTCCTGCCCTCGTCTTCC 520
 TGGCCACCCTTGGCCTGTCCACCTGTGCTGCTGCACCAAC 560
 CTCACTGCCCTCCCTCGGCCCCACCCACCCTCTGGTCCTT 600
 610 620 630 640
 CTGACCCCACTTATGCTGCTGTGAATTTTTTTTTTAAATG 640
 ATTCCAAATAAACTTGAGCCCACTCCAAAAAATAA 677

Figure 11

alpha-SYN exons 1-2

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      10      20      30      40
      |      |      |      |
AATTTGAGCGATGCGAGGGCAAAGCGCTCTCGGCGGTGCG 40
GTGTGAGCCACCTCCCGGCGCTGCCTGTCTCCTCCAGCAG 80
CTCCCCAAGGGATAGGCTCTGCCCTTGGTGGTCGACCCTC 120
AGGCCCTCGNTCTCCCAGGNCGACTCTGACGAGGGGTAGG 160
GGGTGGTCCCNNGGAGGACCCAGAGGAAAGGCNNGGACAA 200

      210      220      230      240
      |      |      |      |
GAAGGGAGGGGAAGGGGAAAGAGGAAGAGGCATCATCCCT 240
AGCCCAACCGCTCCCGATCTCCACAAGAGTGCTCGTGACC 280
CTAAACTTAACGTGAGGCGCAAAAGCGCCCAACCTTTTC 320
CCGCCTTGNNCCAGGCAGGCGGCTGGAGTTGATGGCTCAC 360
CCCGCGCCCCCTGCCCATCCCCATCCGAGATAGGGACGA 400

      410      420      430      440
      |      |      |      |
GGAGCACGCTGCAGGGAAAGCAGCGAGCGCCGGGAGAGGG 440
GCGGGCAGAAGCGCTGACAAATCAGCGGTGGGGGCGGAGA 480
GCCGAGGAGAAGGAGAAGGAGGAGGACTAGGAGGAGGAGG 520
ACGGCGACGACCAGAAGGGGGCCCAAGAGAGGGGGCGAGCG 560
ACCGAGCGCCGCGACGCGAAGTGAGGTGCGTGCGGGCTCA 600

      610      620      630      640
      |      |      |      |
GCGCAGACCCCGGCCCGGCCCTCCTGAGAGCGTCCTGGG 640
CGCTCCCTCACGCCTTGCTTCAAGCCTTCTGCCTTTCCA 680
CCCTCGTGAGCGGAGAACTGGGAGTGGCCATTTCGACGACA 720
GGTTAGCGGGTTTGCTTCCCACTCCCCCAGCCTCGCGTCG 760
CCGGCTCACAGCGGCCTCCTCTGGGGACAGTCCCCCCCCGG 800

      810      820      830      840
      |      |      |      |
GTGCCCCCTCCGCCCTTCTGTGCGCTCCTTTTCTTCTTC 840
TTTCCTATTAAATATTATTTGGGAATTGTTTAAATTTTTT 880
TTTTAAAAAAGAGAGAGGCGNNGGAGGAGTCGGAGTTGTG 920
GAGAAGCAGAGGGACTCAGGTAAGTACCTGTGGATCTAAA 960
CGGNGTCTTTGGAAATCCTGGAGAACGCCGGATGGAGAC 1000

      1010      1020      1030      1040
      |      |      |      |
GAATGGTCGTGGGNACCGGGAGGGGGTGGTGCTGCCATGA 1040
GGACCGCTGGGCCAGGTCTCTGGGAGGTGAGTACTTGTC 1080
TTTGGGGAGCCTAAGGAAAGAGACTTGACCTGGCTTTTCGT 1120
CCTGCTTCTGATATTCCTTCTCCACAAGGGCTGAGAGNT 1160
TAGGCTGCTTCTCCGGGATCC 1181

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Figure 11 cont.

alpha-SYN exon 3

10 20 30 40
CTTAAAAGAGTCTCACACTTTGGAGGGTTTCTCATGATTT 40
TTCAGTGTTTTTGTATTTTTCCCGAAAGTTCTCATT 80
CAAAGTGATTTTTATGTTTTCCAGTGTTGGTGTAAGAAAT 120
TCATTAGCCATGGATGTATTCATGAAAGGACTTTCAAAGG 160
CCAAGGAGGGAGTTGTGGCTGCTGCTGAGAAAACCAAACA 200
210 220 230 240
GGGTGTGGCAGAAGCAGCAGGAAAGACAAAAGAGGGTGTT 240
CTCTATGTAGGTAGGTAAACCCCAAATGTCAGTTTGGTGC 280
TTGTTTCATGAGTGATGGGTTAGGATAACAATACTCTAAAT 320
GCTGGTAGTTCTCTCTCTTGATTCATTTTTGCATCATTGC 360
TTGTCAAAAAGGTGGACTGAGTCAGAGGTATGTGTAGGTA 400
410 420 430 440
GGTGAATGTGAACGTGTGTATNTGAGCTAATAGTAAAAAT 440
GCGACTGTTTGCTTTTCAGATTTTTAATTTTGCCTAATAT 480
NTATGACTTNTTAAAATGAATGTTTCTGTACTACATAATT 520
CTATNTCAGAGACAGT 536

Figure 11 cont.

alpha-SYN exon 4

10 20 30 40
CTGCAGGTCAACGGATCTGTCCTAGTGCTGTACTTTTAA 40
AGCTTCTACAGTTCTGAATTCAAAATTATCTTCTCACTGG 80
GCCCCGGTGTATCTCATTCTTTTTTCTCCTCTGTAAGTT 120
GACATGTGATGTGGGAACAAAGGGGATAAAGTCATTATTT 160
TGTGCTAAAATCGTAATTGGAGAGGACCTCCTGTTAGCTG 200
210 220 230 240
GGCTTTCTTCTATNTATTGTGGTGGTTAGGAGTTCCTTCT 240
TCTAGTTTTAGGATATATATATATATTTTTTTCTTTCCCT 280
GAAGATATAATAATATATATACTTCTGAAGATTGAGATTT 320
TTAAATTAGTTGTATTGAAACTAGCTAATCAGCAATTTA 360
AGGCTAGCTTGAGACTTATGTCTTGAATTTGTTTTTGTAG 400
410 420 430 440
GCTCCAAAACCAAGGAGGGAGTGGTGCATGGTGTGGCAAC 440
AGGTAAGCTCCATTGTGCTTATATCAAAGATGATATNTAA 480
AGTATCTAGTGATTAGTGTGGCCAGTATCAAGATTCCTA 520
TGAAATTGTAAAACAATCACTGAGCATCTAAGAACATATC 560
AGTCTTATTGAAACTGAATTCTTTATAAAGTATTTTTTAA 600
610 620 630 640
TAGGTAAATATTGATTATAAATAAAAAATATACTTGCCAA 640
GAATAATGAG 650

Figure 11 cont.

alpha-SYN exon 5

10 20 30 40
ATATCTTAGCCAAGATTCAATGTTTGGTTGAACCACACTC 40
ACTTGACATCTTGGTGGCTTTTGTCTTCTGACCACTCA 80
GTTATCTATGGCATGTGTAGATACAGGTGTATGGAANCGA 120
TGGCTAGTGGAAGTGGAATGATTTTAAGTCACTGTTATTC 160
TACCACCCTTTAATCTGTTGTTGCTCTTTATTTGTACCAG 200
210 220 230 240
TGGCTGAGAAGACCAAAGAGCAAGTGACAAATGTTGGAGG 240
AGCAGTGGTGACGGGTGTGACAGCAGTAGCCCAGAAGACA 280
GTGGAGGGAGCAGGGAGCATTGCAGCAGCCACTGGCTTTG 320
TCAAAAAGGACCAGTTGGGCAAGGTATGGCTGTGTACGTT 360
TTGTGTTACATTTATAAGCTGGTGAGATTACGGTTCATTT 400
410 420 430 440
TCATGTGAAGCCTGGAGGCAGGAGCAAGATACTTACTGTG 440
GGGAACGGCTACCTGACCCTCCCCTTGTGAAAAAGTGCTA 480
CCTTTATATTGGTCTTGCTTGTTT 504

Figure 11 cont.

alpha-SYN exon 6

10 20 30 40
AAAAGTTTACATACTTTGAGGTTGATAACCCATGTTGCCG 40
CAATGTTTCCCCGAGGCATTGTGGAGTTTAGAATGCCAG 80
TAGTAATATTAAGGTGTGCCATTTTCAAGATCCGTGGCCA 120
ACATCCCTATATGTAAGATTTTCCAAAACATGGTTCTGA 160
TTTTTAAAGTGAAAAATGCTACTTCATCATGTTCTTTTT 200
210 220 230 240
GTGCTTCTTACTTTAAATATTAGAATGAAGAAGGAGCCCC 240
ACAGGAAGGAATTCTGGAAGATATGCCTGTGGATCCTGAC 280
AATGAGGCTTATGAAATGCCTTCTGAGGTAGGAGTCCAAG 320
CTGAATCTTTCTAACAAGACAGTACCAAAAACCTGTCATT 360
GTCACATTTCTCTTTCATTAGTGCTTAGTGAGAATCATT 400
410 420 430 440
GCTCTCTACATGCTCATTACGTGGACAACCTTGCAAGTTAA 440
GAATAGTTTTTACATTTTTTAAAGGGTCCTTAAAAAAAAG 480
AGGAGGAGGAAGATGAAGAAGAGGAAGAAAGGATGTAAAA 520
GAAATCATATGTAGTCCACATAGCTTAATATACTACTAC 560
TTGACCCCTTTACAGGAAAAGCTTTACTAACCCCTGCATTA 600
610 620 630 640
GAGAATATATTTTTTTTGCAAAAACATTGATTGTAAATTTT 640
AGTGTAAGTGGGGAGCCATTTCTATCTCATTGGCTGTC 680
CAGTGCTGATGCGTAATTGAACTTATACTAACAGTGTGT 720
GCTGTCT 727

Figure 11 cont.

alpha-SYN exon 7

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      10      20      30      40
      |      |      |      |
TTTTGATTTTCTAATATTAGGAAGGGTATCAAGACTACG 40
AACCTGAAGCCTAAGAAATATCTTTGCTCCCAGTTTCTTG 80
AGATCTGCTGACAGATGTTCCATCCTGTACAAGTGCTCAG 120
TTCCAATGTGCCCAGTCATGACATTTCTCAAAGTTTTTAC 160
AGTGTATCTCGAAGTCTTCCATCAGCAGTGATTGAAGCAT 200

      210      220      230      240
      |      |      |      |
CTGTACCTGCCCCACTCAGCATTTTCGGTGCTTCCCTTTC 240
ACTGAAGTGAATACATGGTAGCAGGGTCTTTGTGTGCTGT 280
GGATTTTGTGGCTTCAATCTACGATGTTAAACAAATTAA 320
AAACACCTAAGTGACTACCACTTATTTCTAAATCCTCACT 360
ATTTTTTTGTTGCTGTTGTTTCAGAAGTTGTTAGTGATTIG 400

      410      420      430      440
      |      |      |      |
CTATCATATATTATNAGATTTTTAGGTGTCTTTTAATGAT 440
ACTGTCTAAGAATAATGACGTATTGTGAAATTTGTAAATA 480
TATATNATACTTAAAAATATGTGAGCATGAAACTATGCAC 520
CTATAATACTAAATATGAAATTTTACCATTTTGCATGTG 560
TTTTATTCACTTGTGTTTGTATATNAATGGTGAGAATTAA 600

      610      620      630      640
      |      |      |      |
AATAAACGTTATCTCATTGCAAAAATATTTTATTTTAT 640
CCCATCTCACTTTAATAATAAAATCATGCTTATAAGCAA 680
CATGAATTAAGAACTGACACAAAGGACAAAAATATAAAGT 720
TATTAATAGCCATTTGAAGAAGGAGGAATTTTAGAAGAGG 760
TAGAGAAAATGGAACATTAACCCTACACTCGGAATTCCT 800

      810      820      830      840
      |      |      |      |
GAAGCAACACTGCCAGAAGTGTGTTTTGGTATGCACTGGT 840
TCCTTAAGTGGCTGTGATTAATTATTGAAAGTGGGGTGT 880
GAAGACCCCACTACTATTGTAGAGTGGTCTATTTCTCCC 920
TTCAATCCTGTCAATGTTTGCTTTACGTATTTTGGGGAAC 960
TGTTGTTTGATGTGTATGTGTTTATAATTGTTATACATTT 1000

      1010      1020      1030      1040
      |      |      |      |
TTAATTGAGCCTTTTATTAACATATATTGTTATTTTGTG 1040
TCGAAATAATTTTTTAGTTAAATCTATTTTGTCTGATAT 1080
TGGTGTGAATGCTGTACCTTTCTGACAATAAATAATATNC 1120
GACCATGAATAAAAAAAAAAAAAAGTGGGTTCCTGGGAA 1160
CTAAGCAGTGTAAGAAGATGATTTTGACTACACCCTCCTTA 1200

```

Figure 11 cont.

alpha-SYN exon 7

1210 1220 1230 1240
GAGAGCCATAAGACACATTAGCACATATTAGCACATTCAA 1240
GGCTCTGAGAGAATGTGGTTAACTTTGTTTAACTCAGCAT 1280
TCCTCACTTTTTTTTTTTAATCATCAGAAATTCTCTCTCT 1320
CTCTCTCTTTTTCTCTCGCTCTCTTTTTTTTTTTTTTTTT 1360
TTTTACAGGAAATGCCTTTAAACATCGTTGGGAACCTACCA 1400
1410 1420 1430 1440
GAGTCACCTTAAAGGGGAGNATCAATTCTCTAGGACTGGAT 1440
AAAAATTTTCATGGGCCTCCTTTAAATGTTGCCCAAATAT 1480
ATGGAATTCTAGGGGTTTTTCCNTAGGGGGAAGGGTTITT 1520
TCTCTTTTCNNGGGGAGGATCCTTTTAACNCCCNNGGGGGG 1560
NGCCCGGAAAATAAACTTGGNGGGGGGNAAAACCTT 1596